

**LISK**  
*Activating the World*



**engineered solutions**

**Medical Equipment**

Engineered Solutions for Medical Applications

# SOLUTIONS FOR MEDICAL EQUIPMENT



## SOLENOIDS

Our solenoids provide high efficiency, high power density, low noise and long life in your medical equipment. Each solenoid is engineered to your exact needs enabling complete control of your system design.



## VALVES

Our solenoid valves for medical equipment enable complete control of flow and perform critical safety functions such as flow stoppage when bubbles are detected in treatments like apheresis, protecting patient lives.



## MOTOR COMPONENTS

Our team at Tico has decades of experience manufacturing rotors, stators, complete motor assemblies, and more for a variety of precision motion applications such as surgical robotics.

**Our engineers work collaboratively with you to deliver solutions that meet your exact application requirements. Typical applications include:**

- **Ventilators & Respirators**
- **Anesthesia Equipment**
- **Infusion Therapy**
- **Dialysis Equipment**
- **Surgical Power Tools**
- **Surgical Robotics**
- **Surgical Tables**
- **Imaging Equipment**

# CAPABILITIES



## From design to delivery: we do it all.

We strive for innovation and differentiation that allows you to have a competitive advantage so we've invested substantially in our equipment, facilities and training. This enables us to maintain complete control of the products we make for you. We have an extremely robust range of capabilities including:

**DESIGN & ANALYSIS** 3D CAD design capability. Element (including finite) analysis in vibration, shock, temperature, magnetic, flow, heat transfer, and stress.

**R&D LABORATORY** Electrical characteristics, operational performance including pneumatic and hydraulic pressure/flow stands, response time, life cycling, evaluation of new processes, features, and new product development.

**NDT TESTING & MATERIAL ANALYSIS** Non-Destructive Testing services that includes x-ray, visual, and Dye Penetrant inspection.

**ENVIRONMENTAL TESTING** Including, but not limited to shock, vibration, salt spray, humidity, high (1000°F) and low (-150°F) temps, altitude to 100,000 feet, and other testing as required.

**HYDRAULIC TESTING** Up to 75HP, 60,000 PSI

**PACKAGING** Commercial, military, environmental storage, custom, VPCI, and returnable packaging and cleaning.

**MANUFACTURING ENGINEERING** In-house Tool/Machine design and build capabilities.

**CNC WINDING MACHINES, COMPUTER AUTOMATED**

**TEST STANDS** Reduces manual testing time and cost and eliminates operator error.

**CNC MACHINES** Multi-axis, vertical and horizontal turning and milling as well as automatic manufacturing cells.

**SCREW MACHINES** Six spindle, eight spindle chucking and bar.

**WELDING/BRAZING** Electron beam, gas tungsten arc welding, laser, induction, heliarc, spot welding, and brazing.

**PLATING** Cadmium, zinc, electroless nickel, zinc phosphate, chemical film on aluminum, anodize, passivate, Zinc Nickel and others.

**PRESSURE MOLDING** Transfer and injection coil overmolding.

**INTERNATIONAL STANDARDS** Meets or exceeds many international certification standards.







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